



# DOUBLE REVERB GUITAR AMPLIFIER MANUAL

# DOUBLE REVERB GUITAR AMPLIFIER



Congratulations on choosing our new **Double Reverb Guitar Amplifier**.

**Double Reverb** is inspired by the classic 1972 Fender Twin Reverb\*, known for its clean, powerful sound and rich, spacious reverb. Nembrini Audio has painstakingly modeled every component of the original hardware, from the warm 6L6GC power tubes and the vibrant 12AX7 preamp tubes to the lush Accutronics\* spring reverb and dynamic vibrato. The result is a plugin that not only sounds identical to the original amp but also feels responsive and organic.

- 6 carefully selected cabinet emulations
- 4 of the best microphone emulations used in real recording sessions
- Selectable microphone positions with volume and pan controls
- A noise gate and filters section
- A powerful impulse loader to load your favorite IRs

# DOUBLE REVERB GUITAR AMPLIFIER



## FRONT PANEL



The front panel of the Double Reverb Guitar Amplifier plugin features the main controls:

- 1 - **NORMAL INPUT:** Input 1 provides a standard signal, while Input 2 includes a -6dB attenuation, ideal for hotter pickups or achieving a cleaner tone.
- 2 - **BRIGHT:** Engage this switch to boost high frequencies, adding sparkle and clarity to your tone.
- 3 - **VOLUME:** Adjusts the output level of the Normal channel, from soft to powerful.
- 4 - **TREBLE:** Boosts or cuts high frequencies to add brightness or warmth to your sound.
- 5 - **MIDDLE:** Adjusts midrange frequencies, adding body and presence or creating a scooped sound.
- 6 - **BASS:** Boosts or cuts low frequencies for a thicker or tighter low end.

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## FRONT PANEL



While both channels share the same basic EQ and volume controls, the VIBRATO channel's added reverb and vibrato effects, along with slight variations in the signal path and gain structure, provide a different sonic palette compared to the Normal channel. This allows for greater versatility and a wider range of tonal options in the Double Reverb plugin.

- 1 - **VIBRATO INPUT:** Input 1 provides a standard signal, while Input 2 includes a -6dB attenuation, ideal for hotter pickups or achieving a cleaner tone.
- 2 - **BRIGHT:** Engage this switch to boost high frequencies, adding sparkle and clarity to your tone.
- 3 - **VOLUME:** Adjusts the output level of the Normal channel, from soft to powerful.
- 4 - **TREBLE:** Boosts or cuts high frequencies to add brightness or warmth to your sound.
- 5 - **MIDDLE:** Adjusts midrange frequencies, adding body and presence or creating a scooped sound.
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## FRONT PANEL



- 1 - **REVERB**: Controls the amount of spring reverb effect added to your signal, from subtle ambiance to deep, lush reverb.
- 2 - **REVERB POWER**: Switch to turn the reverb effect on or off.
- 3 - **SPEED**: Adjusts the speed of the vibrato (tremolo) effect, from slow and smooth to fast and choppy.
- 4 - **INTENSITY**: Controls the depth of the vibrato effect, ranging from subtle modulation to intense pulsing.
- 5 - **VIBRATO POWER**: Switch to turn the vibrato effect on or off
- 6 - **MASTER**: Increase this parameter to adjust the power amp level until it saturates the 6L6GC virtual tubes, achieving warm, organic power amp saturation.

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**1 - Cabinet - Impulse Loader button:** opens and closes the Cabinet - Impulse Loader panel

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## CABINET - IMPULSE LOADER PANEL



**1 - Recording Chain Mode:** This control features three buttons that allow you to switch between the included cabinet/recording chain emulation, the Impulse Loader, and a complete bypass of the entire cabinet/recording chain emulation. Regardless of the mode selected, the Filters (2), Noise Gate (3), and Levels (4) sections remain active across all three Cabinet Modes.

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**2- Filters:** This section is designed to shape your tone by filtering specific frequency ranges:

- **Tight:** Reduces low-frequency content to tighten the low range.
- **Rumbling:** Cuts low-frequency content to reduce boominess.
- **Harsh:** Reduces high-frequency content to soften overly bright tones.

**3 - Noise Gate:** This feature helps eliminate noise associated with high gain settings:

- **Power (red LED):** Activates the Noise Gate.
- **Threshold:** Sets the noise level at which the gate activates.
- **Range:** Controls the amount of noise reduction.
- **Gate:** Adjusts the speed of the noise gate's closing.

**4 - Levels:** Manage the signal level entering and exiting the plugin:

- **Input:** Adjusts the input level from minus infinity to +12dB.
- **Output:** Adjusts the output level from minus infinity to +12dB.

**5 - Fix Button:** Ensures your input level remains consistent across preset changes.

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## CABINET MODE



**1 - Cabinet:** you can choose between six selected cabinet emulation

- 1- FND TWIN 2x12 OXFORD: based on Fender Twin Reverb\* 2x12 Oxford 12T6\* speakers
- 2- FND TWIN 2x12 J120: based on Fender Twin Reverb\* 2x12 JBL D120F speakers
- 3- BG 2x12 V30: based on Bogner\* 2x12 Celestion\* Vintage 30 speakers
- 4- VOICE 2x12 BLUE: based on Vox\* 2x12 with Celestion\* Blue speakers
- 5- HK 2x12 V30: based on Hughes and Kettner\* TM 212 with Celestion\* Vintage 30 speakers.
- 6- VH 4x12 P50E: based on VHT\* 412S 4x12 with Eminence\* P50E speakers.

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**2 - Mic 1 and Mic 2 settings:** This feature allows you to simulate the use of two virtual microphones for your amplifier's recording chain. It provides the flexibility to:

- *Choose from eight different microphone models*, enabling a range of tonal characteristics.
- *Select the microphone's orientation* with options for On-Axis or Off-Axis positions, affecting the color and intensity of the captured sound.
- *Adjust the Position and Distance* of each microphone relative to the speaker, offering control over the depth and spatial effects in your recordings.

The emulated microphone are:

- 1 - Dynamic 57: based on popular Shure\* SM-57 dynamic microphone
- 2 - Ribbon 121: based on modern Royer\* Labs R-121 ribbon microphone
- 3 - Condenser 414: based on classic AKG\* C 414 condenser microphone
- 4 - Dynamic 421: based on vintage Sennheiser\* MD-421 dynamic microphone

**3 - Mixer:** This 3 faders controls the volume of the 2 microphones in front of the guitar cabinet and the stereo ambience microphones.

Each channel have a pan control for stereo positions, solo, mute and phase inversion switch.

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## IMPULSES MODE

1 EMPTY PHASE 4

2 BROWSER SOLO L PAN R

3 LOAD BogOS412V30\_GERM\_421Cap\_121\_0\_Cap\_EQ

EMPTY PHASE

BROWSER SOLO L PAN R

LOAD BritJC82H100\_ISA\_441\_121Mix1

EMPTY PHASE

BROWSER SOLO L PAN R

LOAD BritJC82H100\_ISA\_87\_121\_Mix1

5

The Double Reverb Impulses Loader let you load up to three 3rd-parties impulse responses and blend them together. The following settings are available for each of the three loaded IRs:

**1 - Empty button:** unload the current IR

**2 - Browse button:** open an explorer window that permit you to select a folder and show you the contained wav files in the adjacent display (5).

**3 - Load button:** open an explorer window that permit you to load your favorite impulse response.

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**4 - IR controls:** you can change the volume, pan, phase of each IR and Solo or Mute it

**5 - Browse/Preview display:** in this display you can browse your favorite IRs or view a preview of the resulting waveform

## BYPASS MODE

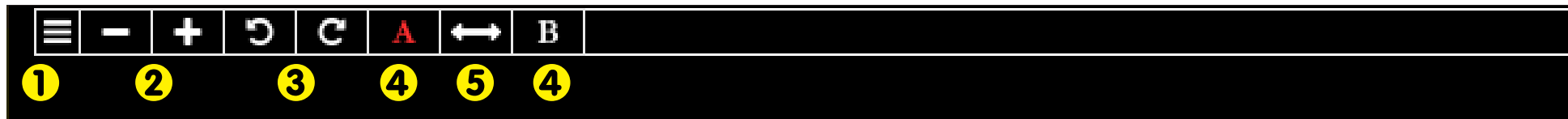


In this mode the whole cabinet / recording chain section and impulses loader are completely bypassed, letting you use your favorite impulse loader or your real power amplifier and speakers system with the Double Reverb Guitar Amplifier

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## THE TOOLBARS



### Top Toolbar

- 1 - Open the manual and the information about the plugin.
- 2 - + and - buttons allow you to scroll through the presets.
- 3 - Undo/Redo changes made to the parameters of the plugin at any time.
- 4 - With A/B banks, it is possible to compare two different settings in an easy way. It is also possible to compare pre sets by loading them in the two different A/B banks. The red highlight will show the currently selected bank and what you will modify/save.
- 5 - Copy the settings from a bank to another, so you can make slight changes to the controls and compare the two settings for example.

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- 1 - Shows you the active preset. Click on the label to see the preset list.
- 2 - Allow you to override the current selected preset.
- 3 - Save the current selected preset as a new preset with a name of your choice.
- 4 - Delete the selected preset.
- 5 - Bypass the plugin in order to compare your processed and unprocessed signal.

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## LEGAL DISCLAIMER

*\* Please note that all marks and models are all trademarks of their respective owners, which are in no way associated or affiliated with Nembrini Audio. These marks and names are used solely for the purpose of describing certain tones produced using Nembrini Audio's modelling technology.*

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